

PTO/SB/08B (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	09/599,809
Filing Date	6/21/2000
First Named Inventor	Alexander G. Gounare
Art Unit	2176
Examiner Name	PAUL H NGUYEN BA
Attorney Docket Number	MS1 0561US

Sheet 1

of 1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
ptw		LEBLOND et al, "PC Magazine Guide to Quattro Pro for Windows", pp. 9-11, 42-61, Ziff-Davis Press, Copyright 1993 by the LeBlond Group.	
J		Bruce Hollberg et al. "Using Microsoft Excel 97" (Public Release 1997, By Que Corporation) Pages 581-590, 85-89, 209-210, 190-201, 712-714	

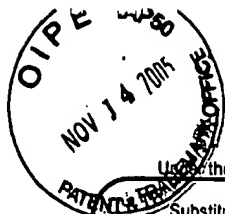
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Art Unit	2176
Examiner Name	Paul H. Nguyen BA
Attorney Docket Number	MS1 561US

Sheet 1 of 18

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
PN		US- 2001/0056429	12/27/2001	Moore, et al.	
		US- 20010037345	11/1/2001	Kiernan, et al.	
		US- 2003/0158897	8/21/2003	Ben-Natan, et al.	
		US- 2002/0026461	2/28/2002	Kutay et al.	
		US- 2002/0032768	3/14/2002	Voskuil	
		US- 2002/0057297	5/16/2002	Grimes et al.	
		US- 2002/0174147	11/21/2002	Wang et al.	
		US- 2003/0120659	6/26/2003	Sridhar	
		US- 6631357	10/7/2003	Perkowski	
		US- 4514800	4/30/1985	Gruner et al.	
		US- 4641274	2/3/1987	Swank	
		US- 4674040	6/16/1987	Barker et al.	
		US- 4739477	4/19/1988	Barker et al.	
		US- 4815029	3/21/1989	Barker et al.	
		US- 4910663	3/20/1990	Bailey	
		US- 4933880	6/12/1990	Borgendale et al.	
		US- 4962475	10/9/1990	Hernandez et al.	
		US- 5072412	12/10/1991	Henderson Jr., et al	
		US- 5167766	2/16/1993	Densmore et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
PN		EP 0841615	11/4/1999	INT COMPUTERS LTD		
		EP 0961197	12/1/1999	HEWLETT PACKARD		
		EP 1076290	2/14/2001	SUN MICROSYSTEMS		
		JP 3191429	1/1/2000			
		WO 01/44934	6/21/2001	SUN MICROSYSTEMS		
		WO 99/24945	5/20/1999	KONINKLIJKE PHILIPS		

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	09/599,809
Filing Date	6/21/2000
First Named Inventor	Matthew J. Kotler
Art Unit	2176
Examiner Name	Paul H. Nguyen BA
Attorney Docket Number	MS1 561US

Sheet **2** of **18****U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
PN		US- 5191645	3/2/1993	Carlucci et al.	
		US- 5195183	3/16/1993	Miller et al.	
		US- 5204947	4/20/1993	Bernstein et al.	
		US- 5206951	4/27/1993	Khoyi et al.	
		US- 5237680	8/17/1993	Adams et al.	
		US- 5249275	9/28/1993	Srivastava	
		US- 5274803	12/28/1993	Dubin et al.	
		US- 5297249	3/22/1994	Bernstein et al.	
		US- 5297283	3/22/1994	Kelly Jr. et al.	
		US- 5313631	5/17/1994	Kao	
		US- 5313646	5/17/1994	Hendricks et al.	
		US- 6774926	8/10/2004	Ellis, et al.	
		US- 5333317	7/26/1994	Dann	
		US- 5339423	8/16/1994	Beitel et al.	
		US- 5339424	8/16/1994	Fushimi	
		US- 5341478	8/23/1994	Travis Jr. et al.	
		US- 5369766	11/29/1994	Nakano et al.	
		US- 5369778	11/29/1994	San Soucie et al.	
		US- 6772139	8/3/2004	Smith, III	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
PN		WO 99/56207	11/4/1999	INTERVU INC.		

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Sheet	3	of	18
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**Complete if Known**

Application Number	09/599,809
Filing Date	6/21/2000
First Named Inventor	Matthew J. Kotler
Art Unit	2176
Examiner Name	Paul H. Nguyen BA
Attorney Docket Number	MS1 561US

## U. S. PATENT DOCUMENTS

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AN		US- 5377323	12/27/1994	Vasudevan	
		US- 5381547	1/10/1995	Flug et al.	
		US- 5390325	2/14/1995	Miller	
		US- 5408665	4/18/1995	Fitzgerald	
		US- 5410688	4/25/1995	Williams et al.	
		US- 5434975	7/18/1995	Allen	
		US- 5436637	7/25/1995	Gayraud et al.	
		US- 5440744	8/8/1995	Jacobson et al.	
		US- 5446842	8/29/1995	Schaeffer et al.	
		US- 5459865	10/17/1995	Heninger et al.	
		US- 5481722	1/2/1996	Skinner	
		US- 5504898	4/2/1996	Klein	
		US- 5517655	5/14/1996	Collins et al.	
		US- 5535389	7/9/1996	Elder et al.	
		US- 5542070	7/30/1996	LeBlanc et al.	
		US- 5550976	8/27/1996	Henderson et al.	
		US- 5551035	8/27/1996	Arnold et al.	
		US- 5572643	11/5/1996	Judson	
		US- 5572648	11/5/1996	Bibayan	

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Sheet 4 of 18

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PN		US- 5577252	11/19/1996	Nelson et al.	
		US- 5581686	12/3/1996	Koppolu et al.	
		US- 5581760	12/3/1996	Atkinson et al.	
		US- 5602996	2/11/1997	Powers III et al.	
		US- 5608720	3/4/1997	Biegel et al.	
		US- 5627979	5/6/1997	Chang et al.	
		US- 6751777	6/15/2004	Bates	
		US- 5634121	5/27/1997	Tracz et al.	
		US- 5640544	6/17/1997	Onodera et al.	
		US- 5659729	8/19/1997	Nielsen	
		US- 5664178	9/2/1997	Sinofsky	
		US- 6748385	6/8/2004	Rodkin	
		US- 5682536	10/28/1997	Atkinson et al.	
		US- 5689703	11/18/1997	Atkinson et al.	
		US- 5706501	1/6/1998	Horikiri et al.	
		US- 6711679	3/23/2004	Guski et al.	
		US- 5721824	2/24/1998	Taylor	
		US- 5740439	4/14/1998	Atkinson et al.	
		US- 5742504	4/21/1998	Meyer et al.	

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First Named Inventor	Matthew J. Kotler
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PJ		US- 5745683	4/28/1998	Lee et al.	
		US- 5758184	5/26/1998	Lucovsky et al.	
		US- 5758358	5/26/1998	Ebbo	
		US- 5761408	6/2/1998	Kolawa et al.	
		US- 5761683	6/2/1998	Logan et al.	
		US- 5764984	6/9/1998	Loucks	
		US- 5764985	6/9/1998	Smale	
		US- 5778372	7/7/1998	Cordell et al.	
		US- 5784555	7/21/1998	Stone	
		US- 5798757	8/25/1998	Smith	
		US- 6701434	3/2/2004	Rohatgi	
		US- 5802304	9/1/1998	Stone	
		US- 5806079	9/8/1998	Rivette et al.	
		US- 5815830	9/29/1998	Anthony	
		US- 5826265	10/20/1998	Van Huben et al.	
	US- 5835777	11/10/1998	Staelin		
	US- 5838906	11/17/1998	Doyle et al.		
	US- 5842018	11/24/1998	Atkinson et al.		
	US- 5845077	12/1/1998	Fawcett		

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Filing Date	6/21/2000
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First Named Inventor	Matthew J. Kotler
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Art Unit	2176
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Examiner Name	Paul H. Nguyen BA
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PN.		US- 5845090	12/1/1998	Collins III et al.	
		US- 5854630	12/29/1998	Nielsen	
		US- 5859973	1/12/1999	Carpenter et al.	
		US- 5864819	1/26/1999	De Armas et al.	
		US- 5907704	5/25/1999	Gudmundson et al.	
		US- 5911776	6/15/1999	Guck	
		US- 5915112	6/22/1999	Boutcher	
		US- 5922072	7/13/1999	Hutchinson et al.	
		US- 5940075	8/17/1999	Mutschler III et al.	
		US- 5950010	9/7/1999	Hesse et al.	
		US- 5963964	10/5/1999	Nielsen	
		US- 5987480	11/16/1999	Donohue et al.	
		US- 5991710	11/23/1999	Papineni	
		US- 6697944	2/24/2004	Jones et al.	
		US- 5999740	12/7/1999	Rowley	
		US- 6014135	1/11/2000	Fernandes	
		US- 6016520	1/18/2000	Facq et al.	
		US- 6026379	2/15/2000	Haller et al.	
		US- 6026416	2/15/2000	Kanerva et al.	

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STATEMENT BY APPLICANT**

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Application Number	09/599,809
Filing Date	6/21/2000
First Named Inventor	Matthew J. Kotler
Art Unit	2176
Examiner Name	Paul H. Nguyen BA
Attorney Docket Number	MS1 561US

Sheet 7

of 18

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
PN		US- 6031989	2/29/2000	Cordell	
		US- 6044205	3/28/2000	Reed et al.	
		US- 6052710	4/18/2000	Saliba et al.	
		US- 6054987	4/25/2000	Richardson	
		US- 6072870	6/6/2000	Nguyen et al.	
		US- 6078326	6/20/2000	Kilmer et al.	
		US- 6078327	6/20/2000	Liman et al.	
		US- 6081610	6/27/2000	Dwork et al.	
		US- 6084585	7/4/2000	Kraft et al.	
		US- 6643684	11/4/2003	Malkin et al.	
		US- 6091417	7/18/2000	Lefkowitz	
		US- 6094657	7/25/2000	Hailpern et al.	
		US- 6098081	8/1/2000	Heidorn et al.	
		US- 6108637	8/22/2000	Blumenau	
		US- 6108783	8/22/2000	Krawczyk et al.	
		US- 6122647	9/19/2000	Horowitz	
		US- 6151624	11/21/2000	Teare et al.	
		US- 6163772	12/19/2000	Kramer et al.	
		US- 6167521	12/26/2000	Smith et al.	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

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PN		US- 6195661	2/27/2001	Filepp et al.	
		US- 6199204	3/6/2001	Donohue	
		US- 6209128	3/27/2001	Gerard et al.	
		US- 6216152	4/10/2001	Wong et al.	
		US- 6219698	4/17/2001	Iannucci et al.	
		US- 6691230	2/10/2004	Bardon	
		US- 6235027	5/22/2001	Herzon	
		US- 6253366	6/26/2001	Mutschler III	
		US- 6253374	6/26/2001	Dresevic et al.	
		US- 6263313	7/17/2001	Milsted et al.	
		US- 6266810	7/24/2001	Tanaka et al.	
		US- 6275227	8/14/2001	DeStefano	
		US- 6275599	8/14/2001	Adler et al.	
		US- 6282711	8/28/2001	Halpern et al.	
		US- 6286033	9/4/2001	Kishinsky et al.	
		US- 6292897	9/18/2001	Gennaro et al.	
		US- 6297819	10/2/2001	Furst	
		US- 6308179	10/23/2001	Petersen et al.	
		US- 6311271	10/30/2001	Gennaro et al.	

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Sheet	9
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PTJ		US- 6321334	11/20/2001	Jerger et al.	
		US- 6327628	12/4/2001	Anuff et al.	
		US- 6343302	1/29/2002	Graham	
		US- 6345256	2/5/2002	Milsted et al.	
		US- 6345361	2/5/2002	Jerger et al.	
		US- 6347323	2/12/2002	Garber et al.	
		US- 6349408	2/19/2002	Smith	
		US- 6353926	3/5/2002	Parthesarathy et al.	
		US- 6357038	3/12/2002	Scouten	
		US- 6366912	4/2/2002	Wallent et al.	
		US- 6369840	4/9/2002	Barnett et al.	
		US- 6374402	4/16/2002	Schmeidler et al.	
		US- 6381742	4/30/2002	Forbes et al.	
		US- 6381743	4/30/2002	Mutschler III	
		US- 6389434	5/14/2002	Rivette	
		US- 6393456	5/21/2002	Ambler et al.	
		US- 6396488	5/28/2002	Simmons et al.	
		US- 6408311	6/18/2002	Baisley et al.	
		US- 6421070	7/16/2002	Ramos et al.	

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pN		US- 6421656	7/16/2002	Cheng et al.	
		US- 6425125	7/23/2002	Fries et al.	
		US- 6434563	8/13/2002	Pasquali et al.	
		US- 6434564	8/13/2002	Ebert	
		US- 6442755	8/27/2002	Lemmons et al.	
		US- 6446110	9/3/2002	Lecton et al.	
		US- 6460058	10/1/2002	Koppulu	
		US- 6678717	1/13/2004	Schneider	
		US- 6473800	10/29/2002	Jerger et al.	
		US- 6476833	11/5/2002	Moshfeghi	
		US- 6477544	11/5/2002	Bolosky	
		US- 6493702	12/10/2002	Adar et al.	
		US- 6502103	12/31/2002	Frey et al.	
		US- 6505230	1/7/2003	Mohan et al.	
		US- 6505300	1/7/2003	Chan et al.	
		US- 6507856	1/14/2003	Chen et al.	
		US- 6516322	2/4/2003	Meredith	
		US- 6519617	2/11/2003	Wanderski et al.	
		US- 6546546	4/8/2003	Van Doorn	

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PN		US- 6549221	4/15/2003	Brown et al.	
		US- 6668369	12/23/2003	Krebs et al.	
		US- 6560640	5/6/2003	Smethers	
		US- 6563514	5/13/2003	Samar	
		US- 6571253	5/27/2003	Thompson et al.	
		US- 6578144	6/10/2003	Gennaro et al.	
		US- 6581061	6/17/2003	Graham	
		US- 6584548	6/24/2003	Bourne et al.	
		US- 6585778	7/1/2003	Hind et al.	
		US- 6604099	8/5/2003	Chung et al.	
		US- 6606606	8/12/2003	Starr	
		US- 6609200	8/19/2003	Anderson et al.	
		US- 6611822	8/26/2003	Beams et al.	
		US- 6611840	8/26/2003	Baer et al.	
		US- 6613098	9/2/2003	Sorge et al.	
		US- 6615276	9/2/2003	Mastrianni et al.	
		US- RE38070	4/8/2003	Spies et al.	
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Sheet	12	of	18	Attorney Docket Number	MS1 0561US

NON PATENT LITERATURE DOCUMENTS			
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PN		"Managing and Querying Multi-Version XML Data with Update Logging" DocEng '02 Nov. 8-9 2002 Copyright 2002 ACM 1-58113-594-7/02/0011 pages 74-81.	
		ZDONIK S., "Object Management System Concepts," ACM, 1984, pages 13-19.	
		"A tour of Xmetal" O'Reilly XML.COM 'Online 7/14/1999 XP002230081 retrieved from the internet: <URL:http://www.xml.com/pub/a/SeyboldReport/ip0311025.html> retrieved on 2/5/03.	
		"Architecture for a Dynamic Information Area Control" IBM Technical Disclosure Bulletin IBM Corp. New York US Vol 37 No. 10 1/10/1994: pp 245-246.	
		"Netscape Communicator's Collapsible Toolbars" CHI'98 Human Factors in Computing Systems Conference Proceedings Los Angeles CA 4/18-23/1998 pp. 81-86.	
		Barker et al., "Creating In-Line Objects Within An Integrated Editing Environment," IBM Technical Disclosure Bulletin, Vol. 27, No. 5, October 1984, page 2962.	
		"Flexible Information Presentation with XML" 1998 The Institution of Electrical Engineers 6 pages.	
		Berg A., "Naming and Binding: Monikers" Inside OLE, 1995, Chapter 9, pages 431-490.	
		"Arbortext Adept 8 Editor Review" O'Reilly XML.COM 'Online! 9/22/1999 XP002230080 retrieved from the Internet <URL:http://www.xml.com/pub/a/1999/09/adept/AdeptRvw.htm> retrieved on 2-5-03.	
		"XKvalidator: A Constraint Validator for XML" CIKM '2 Nov 4-9 2002 Copyright 2002 ACM 1-58113-492-4/02/0011 pages 446-452.	

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rr		"Designing Valid XML Views" ER 2002 LNCS 2503 2002 Springer-Verlag Berlin Heidelberg 2002 Pages 463-477	
		Efficient Management of Multiversion Documents by Object Referencing" Proceedings of the 27th VLDB Conference 2001 pages 291-300.	
		"Efficient schemes for managing multiversion XML documents" VLDB Journal (2002) pages 332-352.	
		"Storing and Querying Multiversion XML Documents using Durable Node Numbers" IEEE 2002 pages 232-241.	
		"XML Document Versioning" SIGMOD Record Vol. 30 NO. 3 Spet 2001 pages 46-53.	
		"Generic Validation of Structural Content with Parametric Modules" ICFP '01 Sept 3-5 2001 Copyright 2001 ACM 1-58113-415-0/01/0009 pages 98-109.	
		"Managing Complex Documents Over the WWW: A Case Study for XML" IEEE Transactions on Knowledge and Data Engineering Vol. 11 No 4 July/August 1999. pages 629-938.	
		Clapp D., "The NeXT Application Kit Part I: Non-Responsive Classes," The NeXT Bible 1990, Chapter 16, pages 275-293.	
		Clark James - W3C Editor; "XSL Transformation (XSLT) Version 1.0" November 16 1999 W3C (MIT INRIA Kejo) pp.1-156.	
		W3C Editor James Clark and Ste; "XML Path Language (XPath) Version 1.0" November 16, 1999 W3C (MIT INRIA Kejo) pp.1-49.	

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		Application Number	09/599,809
		Filing Date	6/21/2000
		First Named Inventor	Matthew J. Kotler
		Art Unit	2176
		Examiner Name	Paul H. Nguyen BA
Sheet 14	of 18	Attorney Docket Number	MS1 561US

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PJ		"From Small Beginnings" Knowledge Management November 2001 pp. 28-30.	
		"XML Editors: Allegations of Functionality in search of reality" INTERNET 'Online! 1999 XP002230082 retrieved from the Internet <URL:http://www.ivritype.com/xml/>.	
		"Photo Shop 5/5.5 WOW! Book" 2000 Peachpit Press pp. 8-17.	
		Description of Whitehill Composer software product produced by Whitehill Technologies Inc. available at <http://www.xml.com/pub/p/221> accessed on April 8 2004, two pages.	
		DiLascia et al., "Sweeper" Microsoft Interactive Developer, Vol. 1, No. 1, 1996, 27 pages.	
		"XML Spy Tops as XML Editor" http://www.eweek.com/article2/0395972404100.asp Nov 25 2002 4 pages.	
		"Agent-based Software Configuration and Deployment" Thesis of the Univeristy of Colorado Online 31 December 1999 retrieved from the Internet on 11/7/2003: <http://www.cs.colorado.edu/users/rickhall/documents/ThesisFinal.pdf> 169 pages.	
		"Mapping and Displaying Structural Transformations between XML and PDF" DocEng '02 Nov. 8-9 2002 Copyright 2002 ACM 1-58113-597-7/02/0011 pages 95-102.	
		"Tsbiff - tilde slash biff -- version 1.2.1" INTERNET DOCUMENT [Online] June 1999 URL: http://web.archive.org/web/19990912001527/http://www.tilde slash .com/tsbiff/	
		Herzner et al., "CDAM- Compound Document Access and Management. An Object-Oriented Approach" Multimedia Systems Interaction and Applications, 1992, Chapter 3, pages 17-36.	

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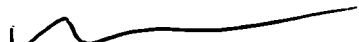
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PW		"Micro-Firewalls for Dynamic Network Security with Distributed Intrusion Detection"; IEEE INternational Symposium on Network Computing and Applications; 2001; pp. 68-79.	
		"Specifying Runtime Environments and Functionalities of Downloadable Components Under the Sandbox Mode"; International Symposium on Principles of Software Evolution; 2000; pp. 138-142.	
		"An Efficiently Updatable Index Scheme for Structured Documents" 1998 IEEE pages 991-996.	
		"Immediate and Partial Validation Mechanism for the Conflict Resolution of Update Operations in XML Databases" WAIM 2002 LNCS 2419 2002 pages 387-396 Springer-Verlag Berlin Heidelberg 2002.	
		Kobayashi et al., "An Update on BTRON-specification OS Development" IEEE 1991, pages 132-140.	
		KOMATSU N. et al., "A Proposal on Digital Watermark in Document Image Communication and Its Application to Realizing a Signature" Electronics and Communications in Japan Part I: Communications vol. 73 no. 5, May 1990, pp. 22-33.	
		McCright J.S.; "New Tool Kit to Link Groove with Microsoft Sharepoint" eWeek Enterprise News & Reviews Ziff Davis Media Inc. July 29 2002.	
		Musgrave S; "Networking technology - impact and opportunities" Survey and Statistical Computing 1996. Proceedings of the Second ASC International Conference. September 1996. pp.369-78. London UK.	
		"Validation with MSXML and XML Schema" Windows Developer Magazine Jan. 2002 pages 35-38.	
		"SmartUpdate Developer's Guide" Online 11 March 1999 retrieved from the Internet on 12/08/2000: <http://developer.netscape.com:80/docs/manuals/communicator/jarman/index.htm>. 83 pages.	

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PW		"Netscape Communicator 4.61 for OS/2 Warp" Software 1999 The whole software release & "Netscape - Version 4.6 [en]-010615" NETSCAPE SCREENHOT 2 Octoboe 2002 (2002-10-02)	
		"A secure conditional access system using digital signature and encryption" 2003 Digest of Technical Papers. International Conference on Consumer Electronics June 2003 pp. 220-221.	
		Object Management Group, XML Metadata Interchange (XMI) Specification Version 1.2 January 2002.	
		"Delphi 5 Developer's Guide" Sams Publishing 1999 Chapter 31 Section: Data Streaming 6 pages.	
		Peterson B., "Unix Variants," Unix Review, Vol. 10, No. 4, April 1992, pages 29-31.	
		Pike et al., "Plan 9 from Bell Labs" UKUUG, Summer 1990, 10 pages.	
		Pike et al., "The Use of Name Spaces in Plan 9," Operating Systems Review Vol. 27, No. 2, April 1993, pp. 72-76.	
		PREVELAKIS et al., "Sandboxing Applications"; Proceedings of the FREENIX Track; 2001; pp. 119-126.	
		Rapaport L; "Get more from SharePoint" Transform Magazine vol. 11 no. 3. March 2002 pp. 1315.	
		"Validating MPEG-21 Encapsulated Functional Metadata" IEEE 2002 pages 209-212.	

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PK		SCHMID et al., "ProtectingData from Malicious Software"; 18th Annual Computer Security Applications Conference; 2002; pp. 199-208.	
		Staneck W., "Internal and External Media" Electronic Publishing Unleashed, 1995, Chapter 22, pages 510-542.	
		"Store and Organize Related Project Files in a Binder," Getting Results with Microsoft Office, 1990, pages 109-112.	
		SUN Q. et al., "A robust and secure media signature scheme for JPEG images" Proceedings of 2002 IEEE Workshop on Multimedia Signal Processing, December 2002, pp. 296-299.	
		"XFIG Version 3.2 Patchlevel 2 (July 2 1998) Users Manual (Edition 1.0)" INTERNET DOCUMENT [Online] 2 July 1998 XP002229137 Retrieved from the Internet: <URL:http://www.ice.mtu.edu/online_docs/xfig332/> [retrieved on 2003-01-28]	
		"An Efficient and Flexible Access Control Framework for Java Programs in Mobile Terminals"; 22nd International Conference on Distributed Computing Systems Workshops; 2002; pp. 777-782	
		TRUPIN J., "The Visual Programmer," Microsoft Systems Journal, April 1996, pages 103-105..	
		"XML: Not a Silver Bullet But a Great Pipe Wrench" Standardview Vol. 6. No. 3 September 1998 pages 125-132.	
		"The Open Software Description Format" Online 13 August 1997 retrieved from the Internet on 11/7/2003: <http://www.w3.org/TR/NOTE-OSD> 11 pages.	
		"Bridging XML-Schema and relational databases. A System for generating and manipulating relational databases using valid XML documents." DocEng '01 Nov. 9-10 2001 Copyright 2001 ACM 1-58113-432-0/01/0011 pages 105-114.	

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Sheet 18

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09/599.809

**Jun 21, 2000**

## Gounares

2178

HERNDON, HEATHER R

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<b>Filing Date</b>	Jun 21, 2000
<b>First Named Inventor</b>	Gounares
<b>Group Art Unit</b>	2178
<b>Examiner Name</b>	HERNDON, HEATHER R
<b>Attorney Docket Number</b>	MS1-561US

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